



The Greyhound PRO Series is a 4X4 MIMO cellular directional antenna. The Greyhound is designed to maximize C-band for enterprise networks. The Greyhound overcomes low band frequencies and prevents interference while transmitting CBRS frequencies for high-speed enterprise data application.

Provide primary or failover network solutions with the 4x4 MIMO cellular elements in an IP54 rated housing. The Greyhound is optimized for high gain in a directional pattern and excellent port-to-port isolation across mid-band.

Patent Pending



Configurations 4:1

Fixed Wireless | Remote Learning | Remote Video Monitoring

Low Interference

Directional to block out interference

High Data Speeds

C-Band design with high gain

Longer Distance

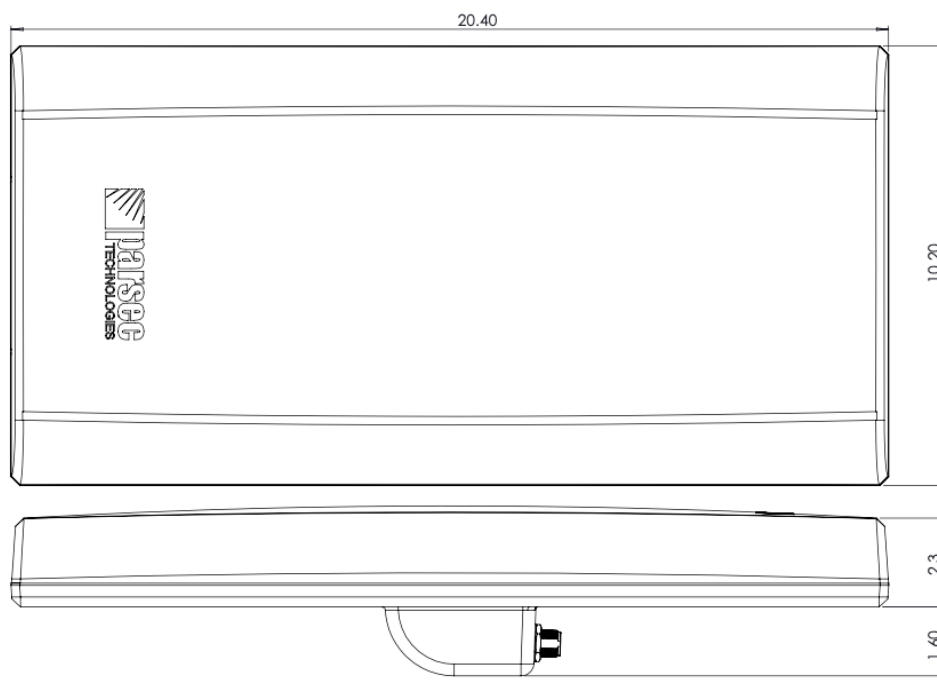
High Gain Up to 15 dBi

- UP TO 4X4 MIMO CELLULAR
- DIRECTIONAL
- 1800-4200 MHz
- HIGH EFFICIENCY
- HIGH PERFORMANCE
- 20.39 in X 10.19 in X 4 in

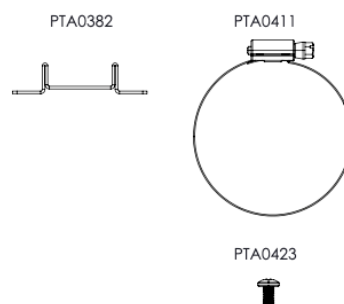
Specifications

| Frequencies | | | |
|----------------|---|-----------------------|--------------------------------------|
| 4G/5G Cellular | | 1800-4200 MHz | |
| 4G/5G Bands | | | |
| North America | B2, B7, B25, B30, B41, B48 n2, n25, n41, n48, n66, n77 | | |
| EMEA | B1, B7, B42, B43 n1, n77, n78 | | |
| Mechanical | | Environmental | |
| Dimensions | 20.4 inch X 10.2 inch X 4 inch | Operating Temperature | -30 °C to 85°C OR -22 °F to 180°F |
| Mounting | Pole mount for 2.5 – 3.5” inch mast diameter | Ingress Protection | IP54 for Outdoor Use |

Dimensions



Hardware Accessories Included



Product Images



Electrical Specifications

| ID & Unit | Port | Parameters | Typ. |
|------------------------------|---------------|---------------|------------|
| Radiated Efficiency (%) | CELL 1 thru 4 | 1800-2000 MHz | 75 |
| | CELL 1 thru 4 | 2000-3000 MHz | 80 |
| | CELL 1 thru 4 | 3000-4000 MHz | 75 |
| | CELL 1 thru 4 | 4000-4200 MHz | 80 |
| Peak Gain (dBi) | CELL 1 thru 4 | 1800-2000 MHz | 12 |
| | CELL 1 thru 4 | 2000-2500 MHz | 13 |
| | CELL 1 thru 4 | 2500-3000 MHz | 14 |
| | CELL 1 thru 4 | 3000-4000 MHz | 15 |
| | CELL 1 thru 4 | 4000-4200 MHz | 12 |
| Return Loss 50 Ω (dB) | CELL 1 thru 4 | 1800-2000 MHz | 9 |
| | CELL 1 thru 4 | 2000-2500 MHz | 11 |
| | CELL 1 thru 4 | 2500-3000 MHz | 13 |
| | CELL 1 thru 4 | 3000-4200 MHz | 12 |
| Isolation (dB) | CELL 1 thru 4 | 1800-4000 MHz | 26 |
| | CELL 1 thru 4 | 4000-4200 MHz | 24 |
| Polarization (dBi) | CELL 1 thru 4 | | +/-45 Deg. |
| Beamwidth (Deg.) | CELL 1 thru 4 | 1800-2000 MHz | 40 |
| | CELL 1 thru 4 | 2000-2500 MHz | 35 |

| | | | |
|---|---------------|---------------|------|
| | CELL 1 thru 4 | 2500-3000 MHz | 32 |
| | CELL 1 thru 4 | 3000-4000 MHz | 27 |
| | CELL 1 thru 4 | 4000-4200 MHz | 24 |
| Front to Back (dB) | CELL 1 thru 4 | 1800-2000 MHz | 17 |
| | CELL 1 thru 4 | 2000-2500 MHz | 23 |
| | CELL 1 thru 4 | 2500-3000 MHz | 26 |
| | CELL 1 thru 4 | 3000-4000 MHz | 13 |
| | CELL 1 thru 4 | 4000-4200 MHz | 8 |
| Max Input Power (Watts) | CELL 1 thru 4 | 3550-3700 MHz | 10 |
| RF Connectors | CELL 1 thru 4 | | N(F) |
| <ul style="list-style-type: none"> Isolation, return loss, and peak gain do not include cable loss. SMA connectors have a max torque of 3-5 inch lbs. Type N Brass connector coupling nut: 6.2-9.7 inch lbs. Parsec is currently phasing out inventory with LTE on our Cellular cables (now labeled CELL). For cables labeled LTE, please refer port "CELL" in the data sheets and installation instructions. | | | |

Part Number Key

Part number example for a 4:1 Greyhound antenna, White: PRO4GH4JW

| Description | Abbreviation | Part Number |
|--|--------------|--------------|
| All PRO Series | PRO | PRO |
| Number of Antennas in Housing/Configuration | 4:1 | PRO4 |
| Antenna Abbreviation for Greyhound | GH | PRO4GH |
| Number of 1800-4200 MHz Elements | #J | PRO4GH4J |
| Radome Color: W=White | W | PRO4GH4JW |
| Additional Options | | |
| N Type Female Connector | -NF | PRO4GH4JW-NF |
| Custom connectors and cable kits are available. Please contact us for more information at sales@parsec-t.com . | | |

Ordering

Our Greyhound antennas come in white with N Type Female connectors and no cable kits.

An LSR240 or LSR400 cable kit with N Type Male connectors is required to connect.

| Configurations | Part Number | Description |
|---|--------------|--|
| 4:1 | PRO4GH4JW-NF | 4 [1.8 – 4.2 GHz] Elements, White, N(F) Connectors |
| <ul style="list-style-type: none"> The acronym "J" implicates 1800-4200 MHz N Type connectors are recommended for outdoor usage due to it being waterproof. N Type is also best used for cable runs longer than 25 ft due to it being a stronger connection. | | |

Additional Hardware Accessories

| Accessory | Part Number |
|---------------------------------------|--------------|
| Pole Mount Kit | PTA0532 |
| Lightning Arrester – SMA(F) to SMA(F) | PTA0476 |
| Lightning Arrester – N(F) to N(M) | PTA0736 |
| SMA Wrench, Key Chain | PTA0194 |
| Service: Cable Sleeve (Priced Per Ft) | Cable Sleeve |

Lightning Arrester – N(F) to N(M)



Lightning Arrester – SMA(F) to SMA(F)



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